

**REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)  
30566.57USRE

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,572,639, granted November 5, 1996, and for which a reissue patent is sought on the invention entitled METHOD AND APPARATUS FOR INTERACTIVELY

MANIPULATING AND DISPLAYING PRESUMPTIVE RELATIONSHIPS BETWEEN GRAPHIC OBJECTS  
the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_ / \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☒ by reason of other errors.

At least one error upon which reissue is based is described as follows:

(See attached document entitled "ERRORS UPON WHICH REISSUE IS BASED")

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Check Number (Optional)  
30566.57USRE

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s) Registration Number

George H. Gates 33,500

Anthony J. Orler 41,232

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

OR

Type Customer Number here

Place Customer Number Bar  
Code Label here

<input checked="" type="checkbox"/> Firm or Individual Name	GATES & COOPER				
Address	6701 Center Drive West, Suite 1050				
Address					
City	Los Angeles	State	CA	ZIP	90045
Country	U.S.A.				
Telephone	(310) 641-8797	Fax	(310) 641-8798		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Brian Doyle Gantt

Inventor's signature

*Brian D Gantt*

Residence  
Austin, Texas

Date November 2, 1998

Post Office Address  
8710 Brodie Lane, Austin, Texas 78745

Citizenship  
U.S.A.

Full name of second joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of third joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address

☐ Additional joint inventors are named on separately numbered sheets attached hereto.

S/N -/-,-

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	Brian D. Gantt
U.S. Patent No.	5,572,639
Issue date	November 5, 1996
Title	METHOD AND APPARATUS FOR INTERACTIVELY MANIPULATING AND DISPLAYING PRESUMPTIVE RELATIONSHIPS BETWEEN OBJECTS

ERRORS UPON WHICH REISSUE IS BASED

Box Patent Application  
Assistant Commissioner for  
Patents  
Washington, D.C. 20231

Dear Sir:

Supplemental to the Reissue Application Declaration submitted herewith, Applicant notes the following errors upon which reissue is based:

1. With regard to amended claims 2, 5, 6, 7, 8, 16, 18, 19, 20 and 24, Applicant has corrected certain errors in the claims. Specifically, these errors concern the antecedent issues that arose because of the omission of certain claim amendments to dependent claims in the original application.

2. With regard to new claims 25-47, Applicant seeks a broadening reissue to enlarge the scope of the original patent. Applicant claimed less than he was entitled to claim in the patent. Specifically, the new claims provide a system recitation of the Applicant's invention. Moreover, this broadening reissue is being applied for within two years from the grant of the original patent.

3. With regard to new claims 48-81, Applicant seeks a broadening reissue to enlarge the scope of the original patent. Applicant claimed less than he was entitled to claim in the patent. Moreover, this broadening reissue is being applied for within two years from

the grant of the original patent.

4. As the below-signed, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

Brian D. Gantt  
Brian D. Gantt

11/2/98  
Date

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REISSUE APPLICATION BY THE ASSIGNEE,  
OFFER TO SURRENDER PATENT**Docket Number (Optional)  
30566.57USRE

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s):

Brian D. Gantt

Patent Number

5,572,639

Date Patent Issued

November 5, 1996

Title of Invention METHOD AND APPARATUS FOR INTERACTIVELY MANIPULATING AND  
DISPLAYING PRESUMPTIVE RELATIONSHIPS BETWEEN GRAPHIC OBJECTSAutodesk, Inc.

is the assignee of the entire interest in the original patent.

I offer to surrender the original patent.

☒ A certificate under 37 CFR 3.73(b) is attached.

I am authorized to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

Name of assignee

Autodesk, Inc.

Signature of person signing for assignee

Date

Typed printed name and title of person signing for assignee

Martin M. Konopken, Senior Corporate Counsel

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee: Brian D. Gantt.  
Patent No.: 5,572,639  
Issued: November 5, 1996 Docket No.: 30566.57USRE  
Title: METHOD AND APPARATUS FOR INTERACTIVELY  
MANIPULATING AND DISPLAYING PRESUMPTIVE  
RELATIONSHIPS BETWEEN GRAPHIC OBJECTS

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CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Autodesk, Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 111 McInnis Parkway, San Rafael, California 94903, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☐ An assignment from the inventor(s), of the patent application identified above.  
The assignment was recorded in the Patent and Trademark Office on \_\_\_\_\_, at  
Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_ (copy attached).

B. ☒ A chain of title from the inventors of the patent identified above to the current assignee as shown below:

1. From: Brian D. Gantt To: Reveille Systems, Inc.

The documents were recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_, or for which a copy thereof is attached.

2. From: Reveille Systems, Inc. To: Ashlar Incorporated

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_, or for which a copy thereof is attached.

3. From: Ashlar Incorporated To: Autodesk, Inc.

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_,  
Frame(s) \_\_\_\_\_, or for which a copy thereof is attached.

☒ Copies of assignments in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date:

Nov. 4, 1958

By:

Martin M. Konopken

Name: Martin M. Konopken

Title: Senior Corporate Counsel

**ASSIGNMENT  
GANTT/REVEILLE  
GANTT PATENT**

WHEREAS, Brian D. Gantt (hereinafter "Assignor"), made certain new and useful inventions and improvements for which was filed an application for Letters Patent of the United States on May 8, 1995, which issued on November 5, 1996 as U.S. Patent No. 5,572,639, and which is entitled "Method And Apparatus For Interactively Manipulating And Displaying Presumptive Relationships."

AND WHEREAS, Reveille Systems, Inc., a corporation organized and existing under and by virtue of the laws of the State of Texas having an office and place of business at Austin, Texas (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, Assignor has sold, assigned, and transferred, and by these presents does sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, Assignor does hereby agree that he and his executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to Assignor relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore Assignor covenants and agrees with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Assignor and that full right to convey the same as herein expressed is possessed by Assignor.

Date: 9/15/98

Signature: Brian D. Gantt  
Name: Brian D. Gantt



**ASSIGNMENT  
REVEILLE/ASHLAR  
GANTT PATENT**

WHEREAS, Reveille Systems, Inc. (hereinafter "Assignor"), owns certain new and useful inventions and improvements for which was filed an application for Letters Patent of the United States on May 8, 1995, which issued on November 5, 1996 as U.S. Patent No. 5,572,639, which issued on November 5, 1996, and is entitled "Method And Apparatus For Interactively Manipulating And Displaying Presumptive Relationships."

AND WHEREAS, Ashlar Incorporated, a corporation organized and existing under and by virtue of the laws of the State of California having an office and place of business at Santa Clara, California (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, Assignor has sold, assigned, and transferred, and by these presents does sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, Assignor does hereby agree that it and its executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to Assignor relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore Assignor covenants and agrees with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Assignor and that full right to convey the same as herein expressed is possessed by Assignor.

Date: 9/15/98

By: REVEILLE SYSTEMS, INC.

Signature: Brian Gantt

Title: PRESIDENT

**ASSIGNMENT  
ASHLAR/AUTODESK  
GANTT PATENT**

WHEREAS, Ashlar Incorporated (hereinafter "Assignor"), owns certain new and useful inventions and improvements for which was filed an application for Letters Patent of the United States on May 8, 1995, which issued on November 5, 1996 as U.S. Patent No. 5,572,639, and which is entitled "Method And Apparatus For Interactively Manipulating And Displaying Presumptive Relationships."

AND WHEREAS, Autodesk, Inc., a corporation organized and existing under and by virtue of the laws of the State of California having an office and place of business at San Rafael, California (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, Assignor has sold, assigned, and transferred, and by these presents does sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, Assignor does hereby agree that it and its executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to Assignor relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things, at the request and expense of Assignee, which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore Assignor covenants and agrees with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Assignor and that full right to convey the same as herein expressed is possessed by Assignor.

Date: SEPTEMBER 15, 1998

By: **ASHLAR INCORPORATED**

Signature: 

Title: PRESIDENT